



Michigan
Transportation Asset
Management Council

**Transportation Asset Management Council
Bridge Committee Meeting Agenda
Thursday, February 21, 2019 2:00 PM
Aeronautics Building- 2nd Floor Commission Room
2700 Port Lansing Road
Lansing, Michigan**

Meeting Telephone Conference Line: 1-877-336-1828 Access Code: 8553654#

- 1. Welcome - Call to Order – Introduction**
- 2. Public Comments on Non-Agenda Items**
- 3. Additions or Deletions of Agenda Items**
- 4. Consent Agenda (*Action Item*)**
 - 4.1. Approval of the 1-24-19 Meeting Minutes (*Attachment 1*)
- 5. Update Items**
 - 5.1. TAMC Spring Conference Update – *Strong (Attachment 2)*
 - 5.1.1. TAMC Bridge Presentations – *Belknap*
 - 5.2. CRA Data Request - *Belknap*
 - 5.3. 2018 Michigan Roads and Bridges Annual Report
 - 5.3.1. Bridge Condition Reporting – *Curtis (Attachment 3)*
 - 5.3.2. 2017 Investment Reporting for Bridges – *Belknap (Attachment 4)*
 - 5.4. TAMC Culvert Pilot Project
 - 5.4.1. Status of Invoices & Project Budget Update – *Belknap*
 - 5.4.2. Continuing Culvert Data Collection Efforts into Future
 - 5.4.2.1. Culvert Data on TAMC Dashboards/Interactive Map
- 6. Public Comments**
- 7. Member Comments**
- 8. Adjournment:**

*Next meeting is scheduled for March 21, 2019 @ 2:00 PM Aeronautics Building
2nd Floor Commission Room, 2700 Port Lansing Road, Lansing, Michigan*

**MINUTES
TRANSPORTATION ASSET MANAGEMENT COUNCIL
BRIDGE COMMITTEE MEETING**

January 24, 2019 at 2:00 p.m.
Aeronautics Building, 2nd Floor, Commission Conference Room
2700 Port Lansing Road
Lansing, Michigan

**** Frequently Used Acronyms List attached.**

Committee Member:

Keith Cooper, MDOT – Vice-Chair
Wayne Harrall, KCRC
Al Halbeisen, OHM Advisors

Rebecca Curtis, MDOT – Chair
Bill McEntee, CRA, via Telephone
Brian Vilmont, Prein & Newhof, via Telephone

Support Staff:

Roger Belknap, MDOT, via Telephone
Cheryl Granger, CSS, via Telephone

Chris Gilbertson, MTU, via Telephone
Gloria Strong, MDOT

Members Absent:

Gary Mekjian, MML
Brad Wieferich, MDOT

Public Present:

Christopher Bolt, MAC/JCDOT
Carli Degi, JCDOT

1. Welcome - Call-To-Order - Introductions:

The meeting was called-to-order at 2:01 p.m

2. Public Comments on Non-Agenda Items:

None

3. Additions or Deletions of Agenda Items:

None

4. Consent Agenda (Action Item):

4.1. - Approval of the December 20, 2018 Meeting Minutes (Attachment 1)

Motion: W. Harrall made a motion to approve the December 20, 2018 meeting minutes with the correction of moving Al Halbeisen as present and attending the December 20, 2018 meeting; A. Halbeisen seconded the motion. The motion was approved by all members present.

5. Update Items:

5.1. –TAMC Spring Conference Update – G. Strong

The American Public Works Association (APWA) Conference will be held on May 22 and 23, 2019, at the Treetop Resort in Gaylord, Michigan. The APWA annual golf outing and reception is on May 21, 2019. The TAMC conference will be held in conjunction with APWA

(sharing presenters) on Wednesday, May 22, 2019. The actual conference will be held at the Treetops Resort and lodging will be provided at the Otsego Resort due to the lack of lodging at Treetops Resort. A few presenters have confirmed their attendance. Berrien County Road Department would like to present their asset management plan at the conference.

5.1.1. – TAMC Bridge Presentations – R. Belknap (Attachment 2)

The TAMC Bridge Committee will be presenting the bridge data and information on bridge bundling at the conference.

5.2. – 2018 Michigan Roads and Bridges Annual Report Schedule

5.2.1. – Preliminary Bridge Condition Data – R. Curtis

R. Curtis went over draft bridge data documents and graphs that she created to be included in the annual report. The drafts do not include closed bridges. She will be adding National Highway System (NHS) deck information to her documents. R. Curtis will provide a link later via email to the committee to the Transportation Performance Measure data website. It was requested that the committee members review the draft that she has provided and provide feedback to her. Non-NBI bridges will not be discussed in the annual report.

Action Item: It was requested that the Bridge Committee review the information that R. Curtis has drafted and provide any comments directly to her.

5.2.2. – 2017 Investment Reporting for Bridges – R. Belknap

Summary reports for the IRT will be included in the annual report. B. McEntee will update the graphs and charts in the annual report and provide copies to the full Council and the Bridge Committee in February.

5.3. – TAMC Culvert Pilot Project

5.3.1.–APWA Public Works Project of the Year Award – R. Belknap (Attachment 3)

TAMC support staff and MTU completed and submitted the application to nominate TAMC to receive the APWA Project of the Year for the TAMC Culvert Pilot Project. The deadline to submit the application was January 18, 2019.

5.3.2. – Status of Invoices and Project Budget Update – R. Belknap

R. Belknap is working with MDOT Finance to determine how much of the Culvert Pilot Project money is left over after the pilot was completed. These funds are not MTF funds. After it is determined how much money remains, the Bridge Committee will be tasked with how to spend the remaining funds.

5.3.3. – Continuing Future Culvert Data Collection Efforts

The TAMC Bridge Committee will be looking at ideas on how to use the remaining funds from the Culvert Pilot Project. The Committee must make a decision as to whether or not to use only the culvert data that was collected during the pilot project or all culvert information that agencies may have previously collected prior to the project. The Committee may want to encourage some agencies to share culvert data that they already have. Some agencies were promised a certain amount of funding to collect culvert data however, due to a flooding event that occurred or not having enough money, they were unable to complete their culvert inventory. Some of the remaining funds could go to these agencies to complete their data collection. The Committee would like to move ahead and add culvert information to the interactive maps and dashboards with the remaining funds

in the future. This data would then be updated a couple of times a year with any changed culvert data.

Motion: W. Harrall made a motion to populate the culvert dashboard and interactive map with the culvert pilot project data that we currently have and as new data comes in, update the systems with any changed or new culvert data a couple of times per year.

6. Public Comments:

The MML Conference will be held on March 19-20, 2019 at the Lansing Center. Presentations regarding Bridge Asset Management and the Culvert Pilot Project will be given.

7. Member Comments:

MDOT is developing a Bridge Bundling Program. The goal is for state and local bridge programs to have zero critical bridges by 2025. MDOT is working with local agencies to figure out ways to get this accomplished and figure out where to get the additional funding needed. Bridge agencies are looking at bundling, which is grouping similar bridges into a single contract to enable repetitive use of design, saving time and money on design and construction. MDOT Bureau of Bridges and Structures (BOBS) has a consultant who is assisting them. There will be a bridge bundling workshop in the near future with county engineers in Sault Ste. Marie. The Bridge Bundling group has been meeting and is now ready to request that local champions review their work and to move on to the next stage of refinement. This should be happening within the next two weeks. They are considering grants to help with funding. In March 2019, they want to present their idea to the County Road Association (CRA) and then on to the new administration by April 2019.

R. Curtis has created a draft bridge document and graphs for the 2018 Annual Report. The Bridge Committee will review the draft at their February 21, 2019 meeting. R. Curtis would like the committee members to be sure to attend the meeting and if that is not possible, to provide feedback to her by the meeting date.

8. Adjournment:

The meeting adjourned at 3:38 p.m. The next meeting will be held February 21, 2019, at 2:00 p.m., MDOT Aeronautics Building, 2nd Floor Commission Conference Room, Lansing.

TAMC FREQUENTLY USED ACRONYMS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ACE	ADMINISTRATION, COMMUNICATION, AND EDUCATION (TAMC COMMITTEE)
ACT-51	PUBLIC ACT 51 OF 1951-DEFINITION: A CLASSIFICATION SYTEM DESIGNED TO DISTRIBUTE MICHIGAN'S ACT 51 FUNDS. A ROADWAY MUST BE CLASSIFIED ON THE ACT 51 LIST TO RECEIVE STATE MONEY.
ADA	ADULTS WITH DISABILITIES ACT
ADARS	ACT 51 DISTRIBUTION AND REPORTING SYSTEM
BTP	BUREAU OF TRANSPORTATION PLANNING (MDOT)
CFM	COUNCIL ON FUTURE MOBILITY
CPM	CAPITAL PREVENTATIVE MAINTENANCE
CRA	COUNTY ROAD ASSOCIATION (OF MICHIGAN)
CSD	CONTRACT SERVICES DIVISION (MDOT)
CSS	CENTER FOR SHARED SOLUTIONS
DI	DISTRESS INDEX
ESC	EXTENDED SERVICE LIFE
FAST	FIXING AMERICA'S SURFACE TRANSPORTATION ACT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FOD	FINANCIAL OPERATIONS DIVISION (MDOT)
FY	FISCAL YEAR
GLS REGION V	GENESEE-LAPEER-SHIAWASSEE REGION V PLANNING AND DEVELOPMENT COMMISSION
GVMC	GRAND VALLEY METRO COUNCIL
HPMS	HIGHWAY PERFORMANCE MONITORING SYSTEM
IBR	INVENTORY BASED RATING
IRI	INTERNATIONAL ROUGHNESS INDEX
IRT	INVESTMENT REPORTING TOOL
KATS	KALAMAZOO AREA TRANSPORTATION STUDY
KCRC	KENT COUNTY ROAD COMMISSION

LDC	LAPTOP DATA COLLECTORS
LTAP	LOCAL TECHNICAL ASSISTANCE PROGRAM
MAC	MICHIGAN ASSOCIATION OF COUNTIES
MAP-21	MOVING AHEAD FOR PROGRESS IN THE 21 ST CENTURY (ACT)
MAR	MICHIGAN ASSOCIATION OF REGIONS
MDOT	MICHIGAN DEPARTMENT OF TRANSPORTATION
MDTMB	MICHIGAN DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
MIC	MICHIGAN INFRASTRUCTURE COMMISSION
MITA	MICHIGAN INFRASTRUCTURE AND TRANSPORTATION ASSOCIATION
MML	MICHIGAN MUNICIPAL LEAGUE
MPO	METROPOLITAN PLANNING ORGANIZATION
MTA	MICHIGAN TOWNSHIPS ASSOCIATION
MTF	MICHIGAN TRANSPORTATION FUNDS
MTPA	MICHIGAN TRANSPORTATION PLANNING ASSOCIATION
MTU	MICHIGAN TECHNOLOGICAL UNIVERSITY
NBI	NATIONAL BRIDGE INVENTORY
NBIS	NATIONAL BRIDGE INSPECTION STANDARDS
NFA	NON-FEDERAL AID
NFC	NATIONAL FUNCTIONAL CLASSIFICATION
NHS	NATIONAL HIGHWAY SYSTEM
PASER	PAVEMENT SURFACE EVALUATION AND RATING
PNFA	PAVED NON-FEDERAL AID
PWA	PUBLIC WORKS ASSOCIATION
QA/QC	QUALITY ASSURANCE/QUALITY CONTROL
RBI	ROAD BASED INVENTORY
RCKC	ROAD COMMISSION OF KALAMAZOO COUNTY
ROW	RIGHT-OF-WAY

RPA	REGIONAL PLANNING AGENCY
RPO	REGIONAL PLANNING ORGANIZATION
SEMCOG	SOUTHEAST MICHIGAN COUNCIL OF GOVERNMENTS
STC	STATE TRANSPORTATION COMMISSION
STP	STATE TRANSPORTATION PROGRAM
TAMC	TRANSPORTATION ASSET MANAGEMENT COUNCIL
TAMCSD	TRANSPORTATION ASSET MANAGEMENT COUNCIL SUPPORT DIVISION
TAMP	TRANSPORTATION ASSET MANAGEMENT PLAN
TPM	TRANSPORTATION PERFORMANCE MEASURES
UWP	UNIFIED WORK PROGRAM

S:/GLORIASTRONG/TAMC FREQUENTLY USED ACRONYMS.11.27.2018.GMS

DRAFT

2019 Spring Transportation Asset Management Conference

Sponsored by



Michigan
Transportation Asset
Management Council

May 21-23

5/21 APWA Golf Outing (all invited)

5/22 Combined TAMC/APWA Conference

5/23 APWA Sessions

Treetops Resort

Gaylord, MI

3962 Wilkinson Road
Gaylord, Michigan 49735

SAVE THE DATE

Registration and Full Agenda Coming Soon



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County Road Association
OF MICHIGAN

2019 Spring Transportation Asset Management Conference

In collaboration with the Michigan Chapter of the American Public Works Association (APWA), the Transportation Asset Management Council (TAMC) Spring Conference will be held jointly at the Treetops Resort in Gaylord, Michigan from May 21-23, 2019.

For more information:

Roger Belknap, TAMC Coordinator
517-335-4580 or belknapr@michigan.gov

Gloria Strong, Conference Coordinator
517-335-4581 or strongg@michigan.gov



Michigan
Transportation Asset
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2019 Transportation Asset Management Council Spring Conference

Treetops Resort • Gaylord, MI • May 21 – 23

In collaboration with the Michigan Chapter of the American Public Works Association (APWA), the Transportation Asset Management Council (TAMC) Spring Conference will be held jointly at the Treetops Resort in Gaylord, Michigan from May 21-23, 2019.

5/21 APWA Golf Outing (all invited) | 5/22 Combined TAMC/APWA Conference | 5/23 APWA Sessions

Become a sponsor today and have a highly visible presence at the 2019 TAMC Spring Conference.

Gold \$1,500

Company logo on all conference materials and signs

Formal recognition at beginning of the conference

Formal recognition at breakfast, lunch and during two networking breaks

Silver \$1,000

Company logo on all conference materials and signs

Formal recognition at beginning of the conference

Formal recognition during two networking breaks

Bronze \$500

Company logo on all conference materials and signs

Formal recognition at beginning of the conference

For more information

about becoming a sponsor at the
2019 TAMC Spring Conference,
please contact:

Joanna Johnson, TAMC Chair
at 269-381-3170, ext. 220 or
jjohnson@kalamazooountyroads.com



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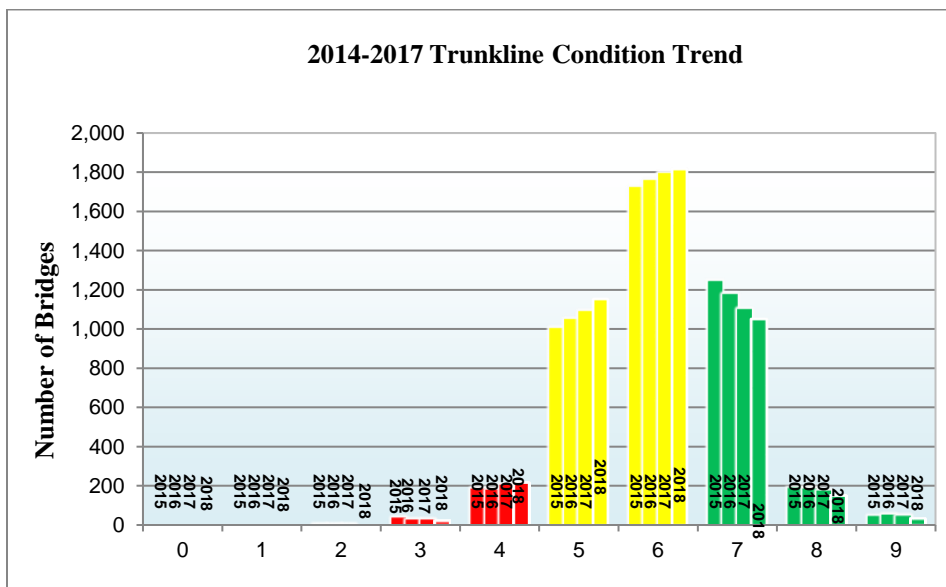
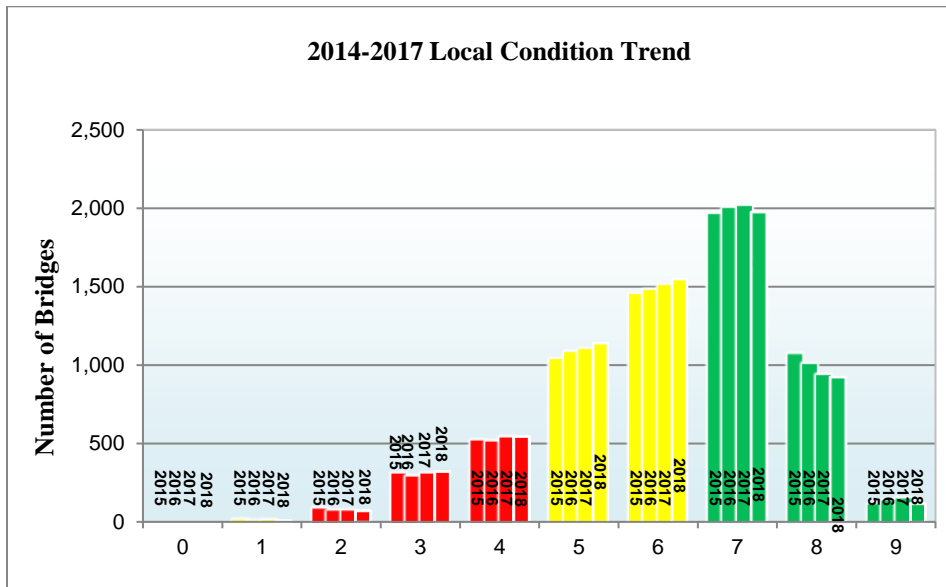
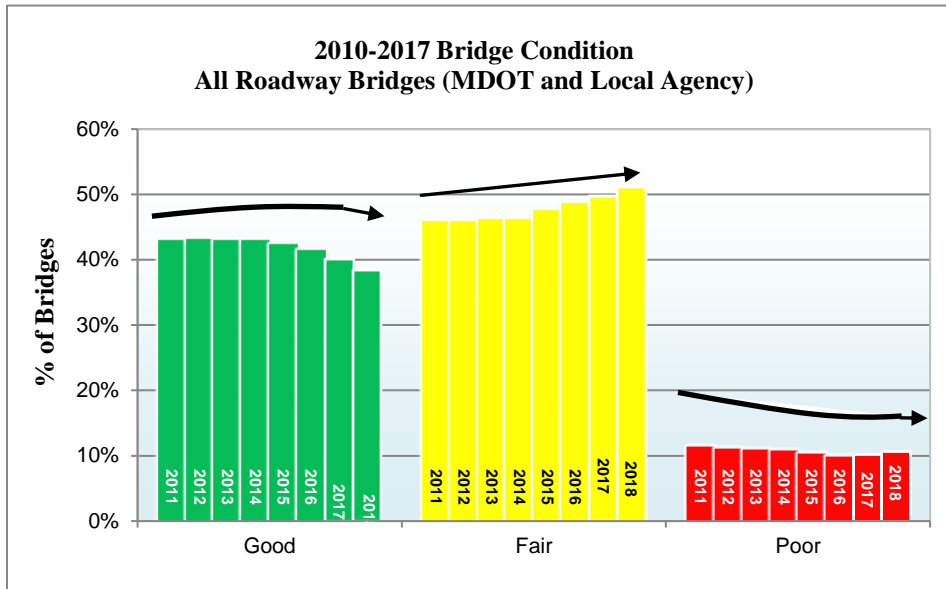


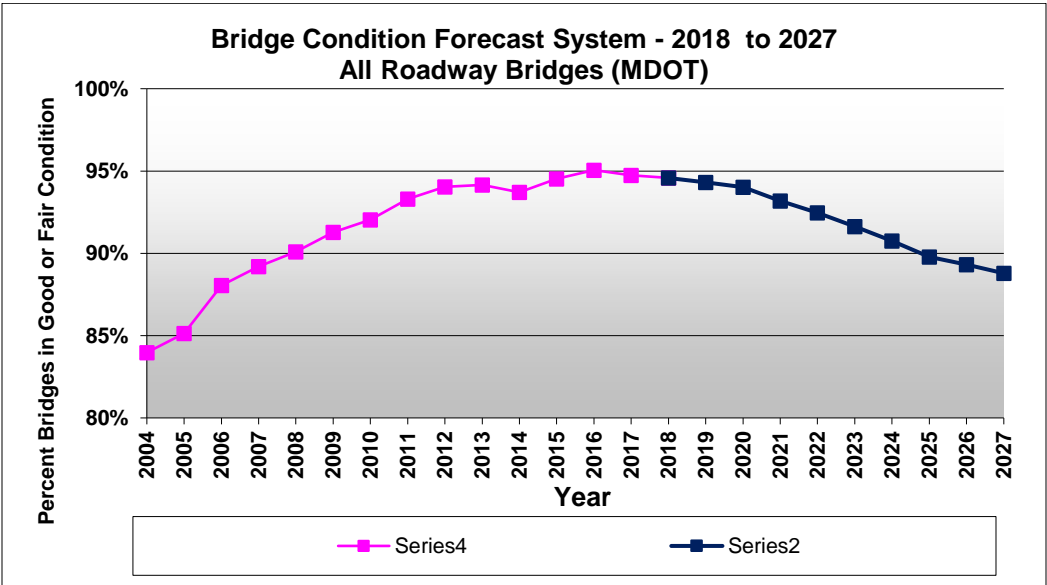
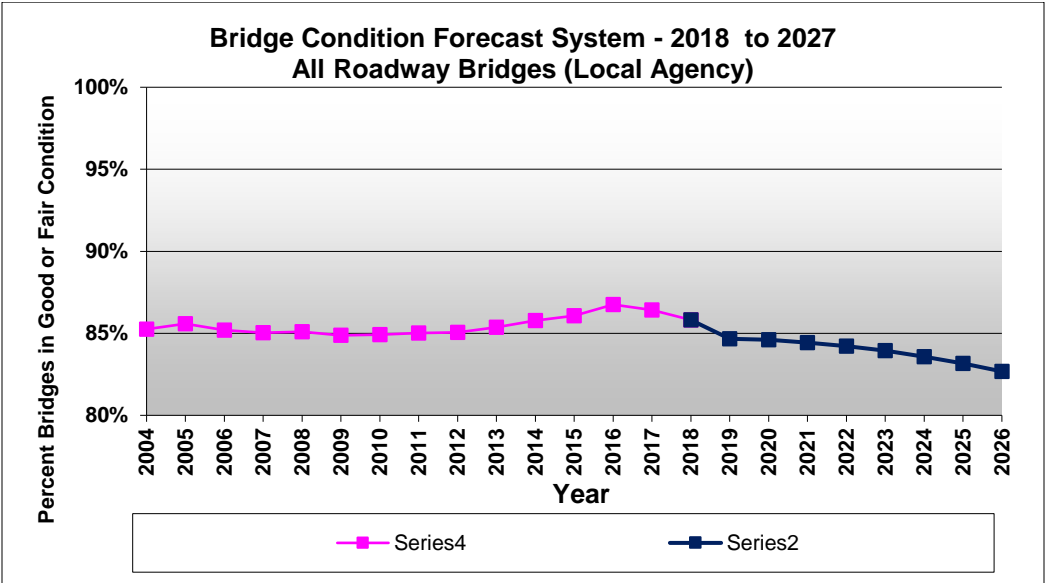
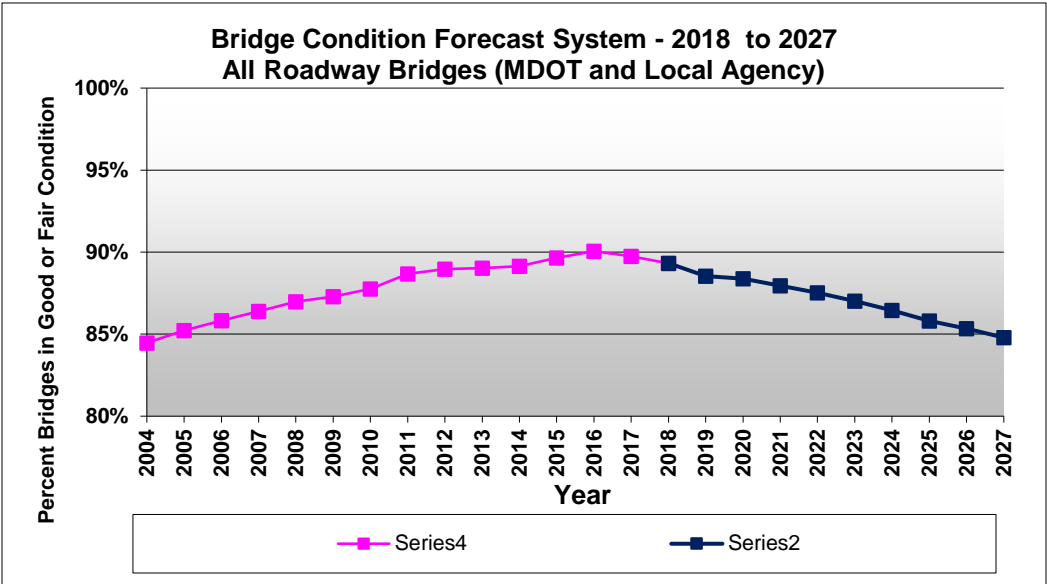
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County Road Association
of Michigan

2018 Michigan Roads & Bridges Annual Report – Bridge Conditions (DRAFT)



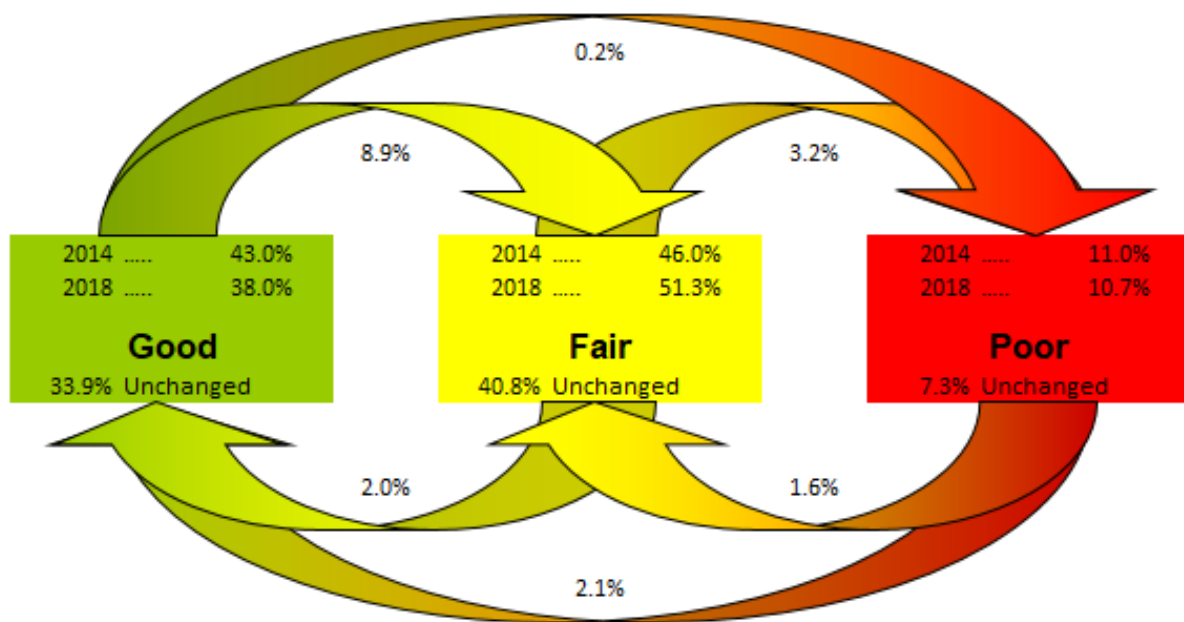


Michigan Bridges Cycle of Life

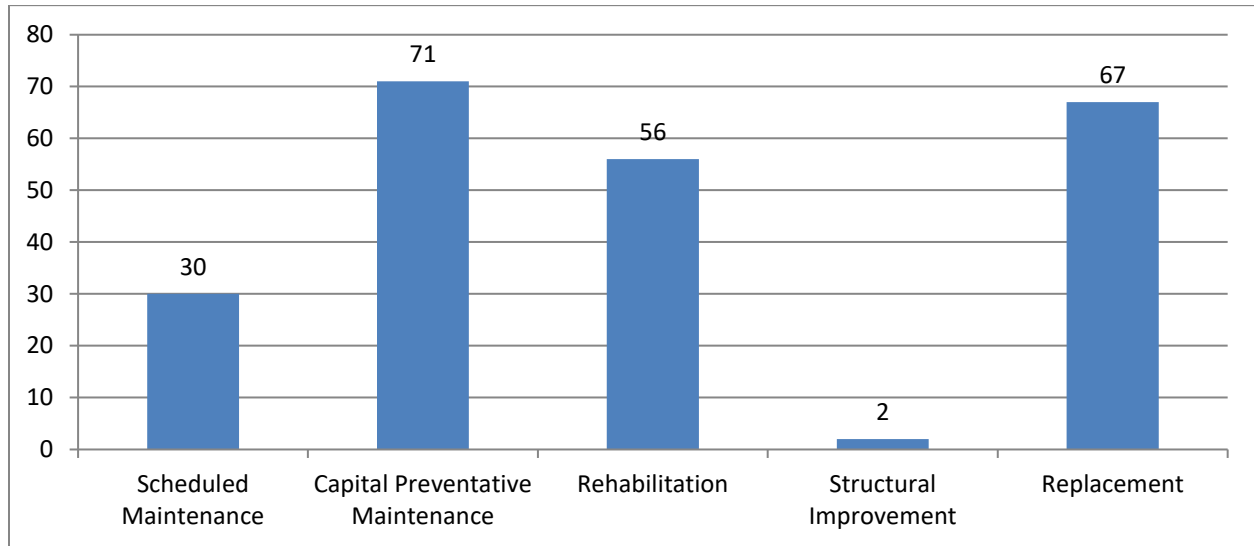
2014 to 2018

Statewide

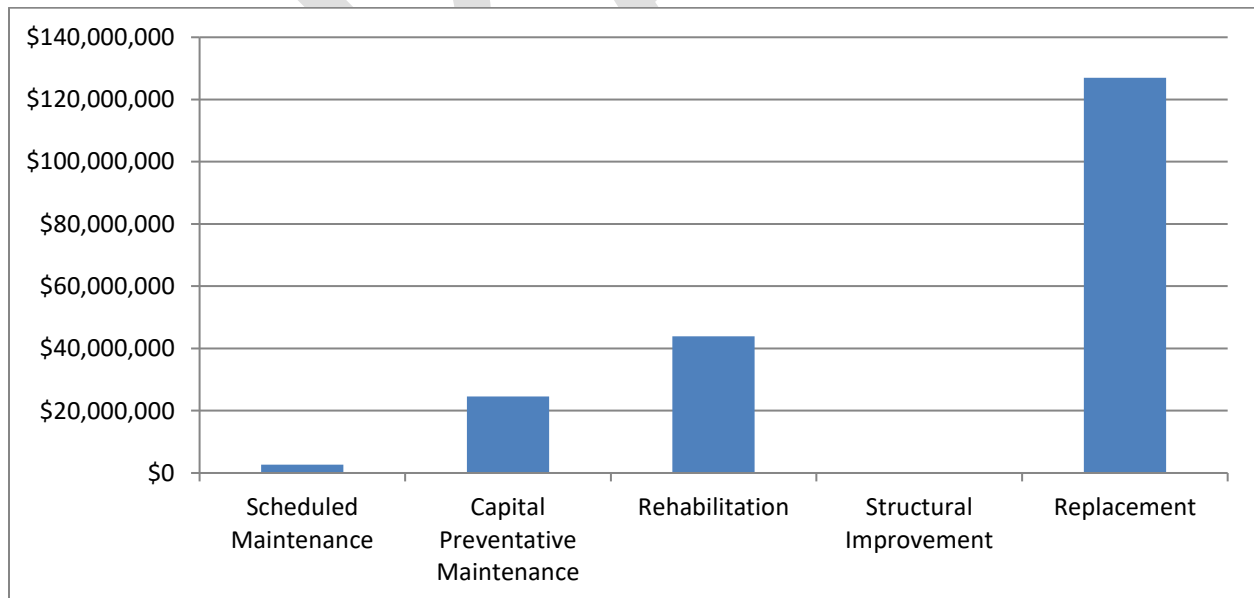
Percent of bridges by count*



2017 Reported Bridge Projects By Improvement Type

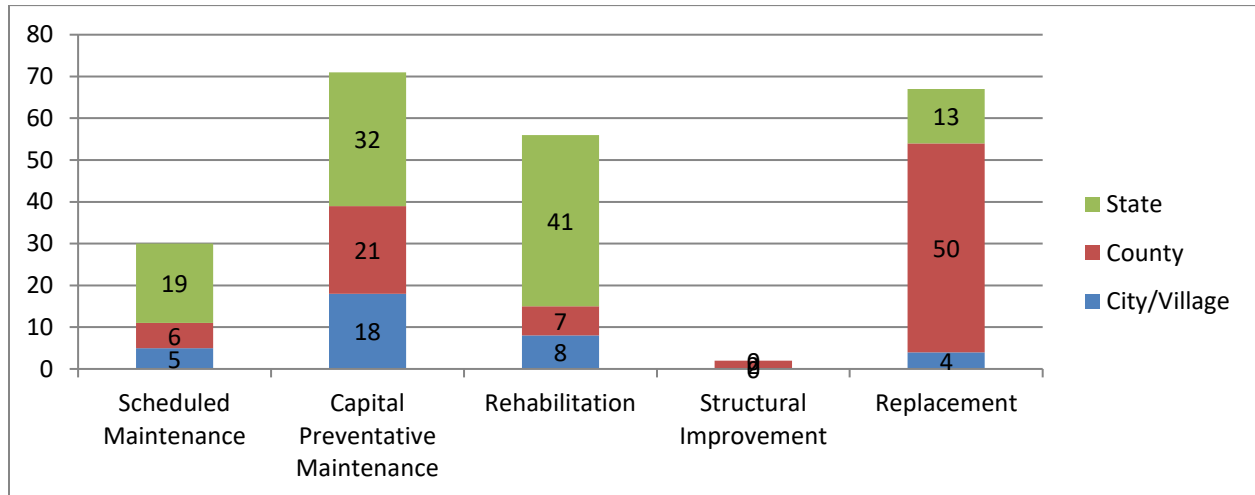


2017 Reported Bridge Projects Investment by Improvement Type



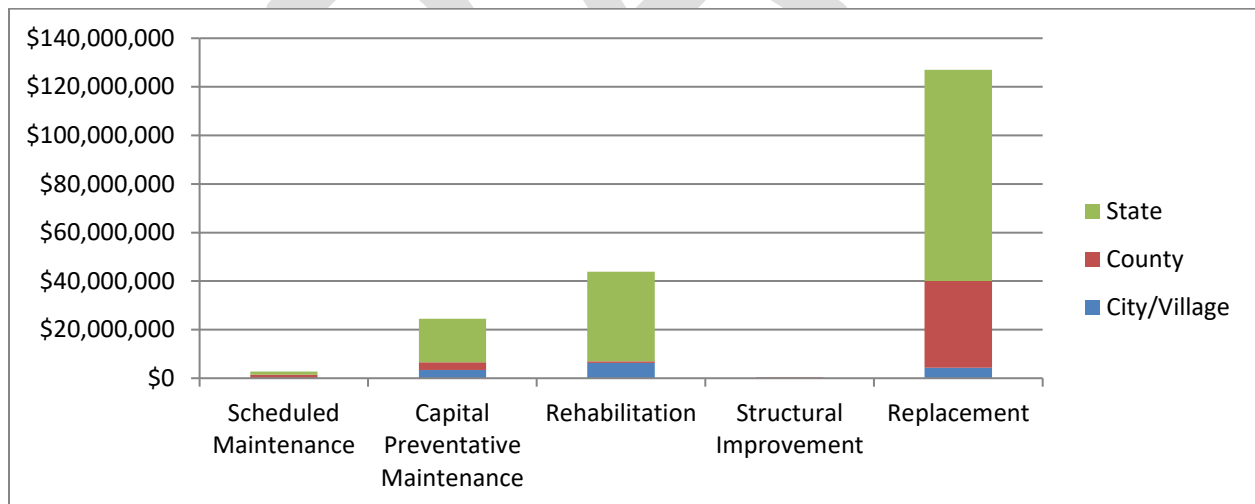
2017 Reported Bridge Projects

Agency Type by Improvement Type



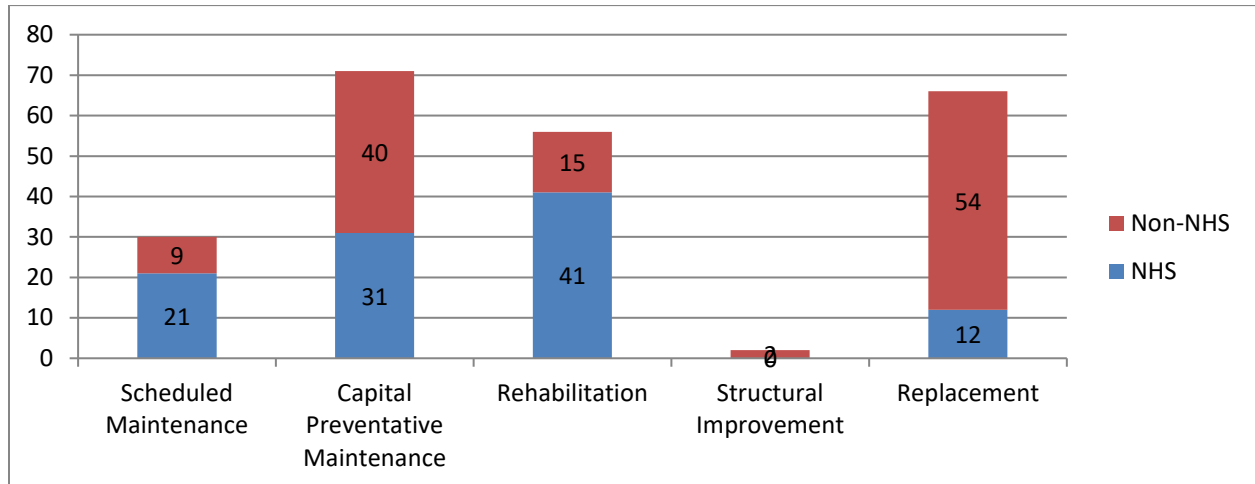
2017 Reported Bridge Projects

Investment by Agency Type



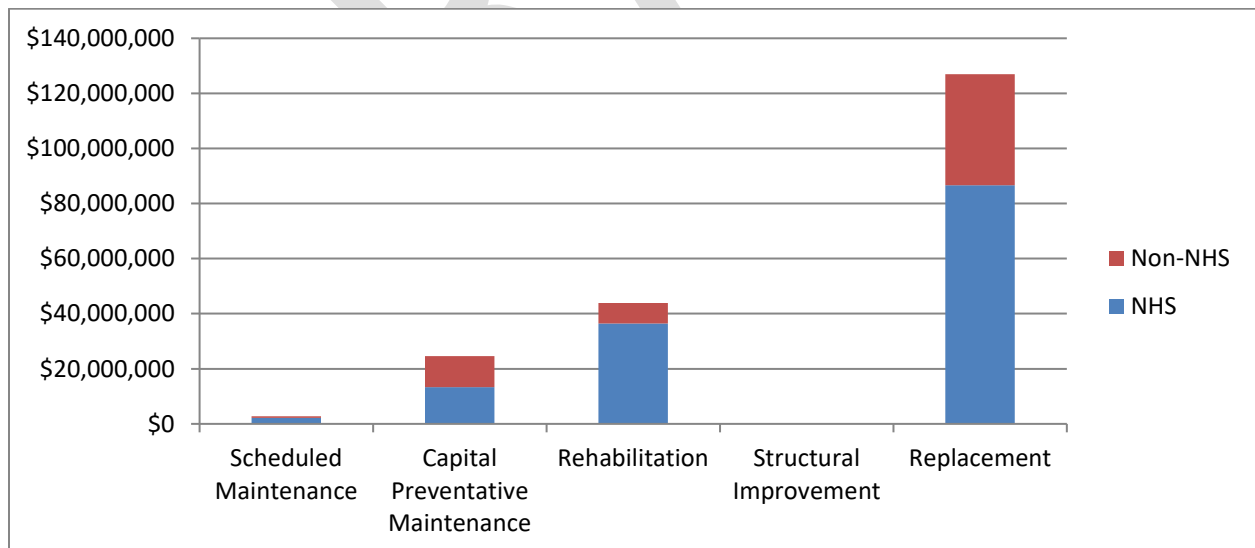
2017 Reported Bridge Projects

NHS vs Non NHS by Improvement Type



2017 Reported Bridge Projects

NHS vs Non NHS By Investment



Bridge Investment by Agency 2017 -

5	9	Scheduled Maintenance	\$13,260.00	City/Village
32	9	Scheduled Maintenance	\$428,420.30	County
2	9	Scheduled Maintenance	\$205,305.00	State
8	8	Capital Preventative Maintenance	\$2,145,783.04	City/Village
33	8	Capital Preventative Maintenance	\$3,020,040.00	County
48	8	Capital Preventative Maintenance	\$34,771,252.00	State
1	6	Rehabilitation	\$193,940.89	City/Village
12	6	Rehabilitation	\$9,908,628.61	County
34	6	Rehabilitation	\$31,048,380.00	State
2	7	Replacement	\$3,016,063.00	City/Village
32	7	Replacement	\$25,318,119.55	County
37	7	Replacement	\$149,619,566.00	State